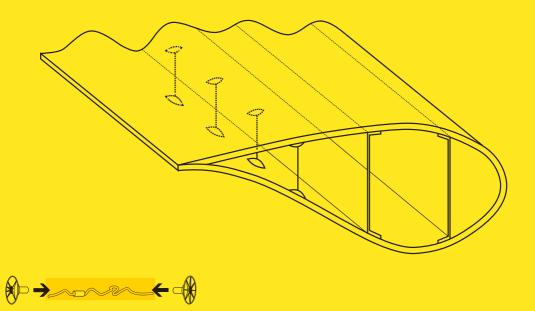


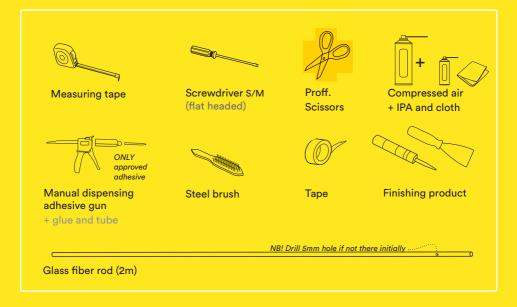


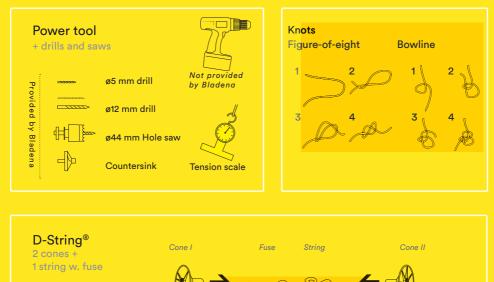
D-String[®]

Installation Manual

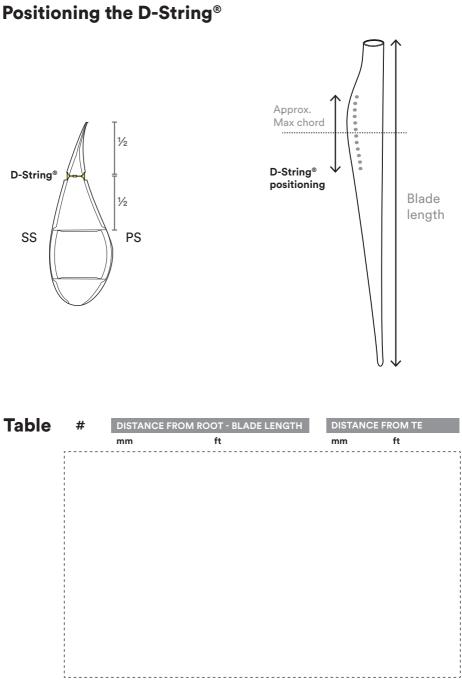


Toolset & D-String®





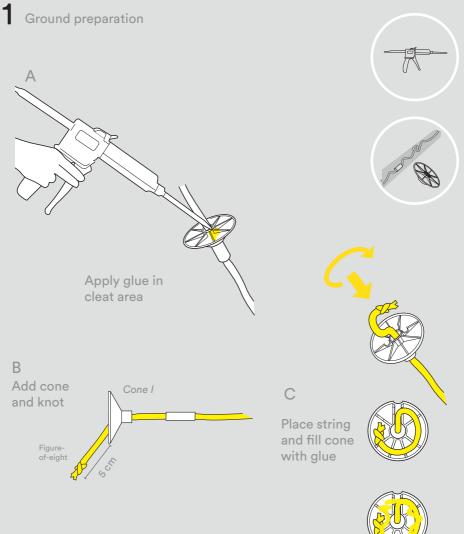
Provided by Bladena



Instruction for installation

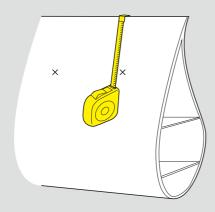


on ground





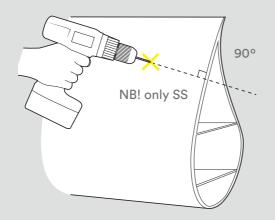
2 Mark position on suction side



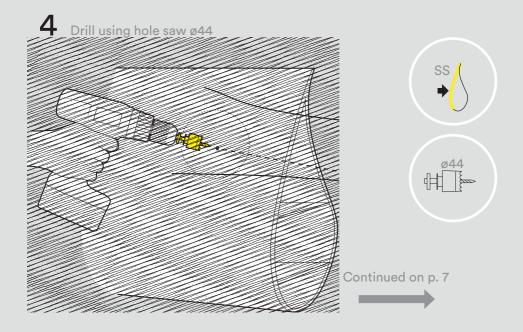




3 Pre-drill blade using ø5 mm drill

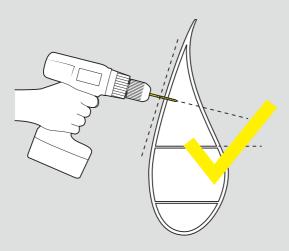


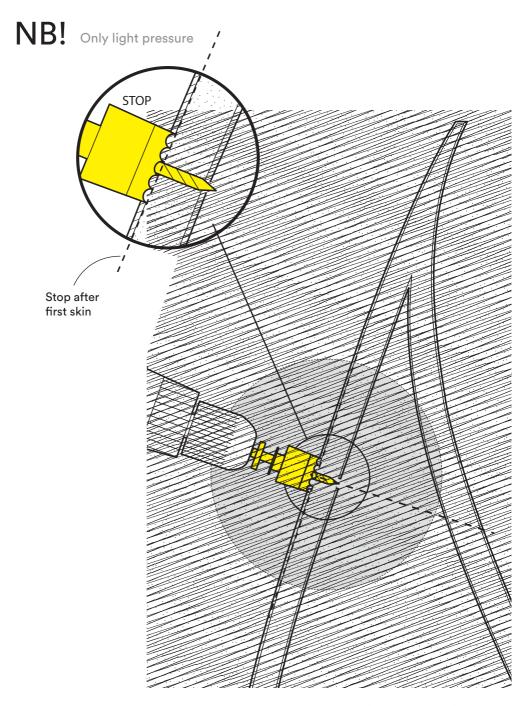


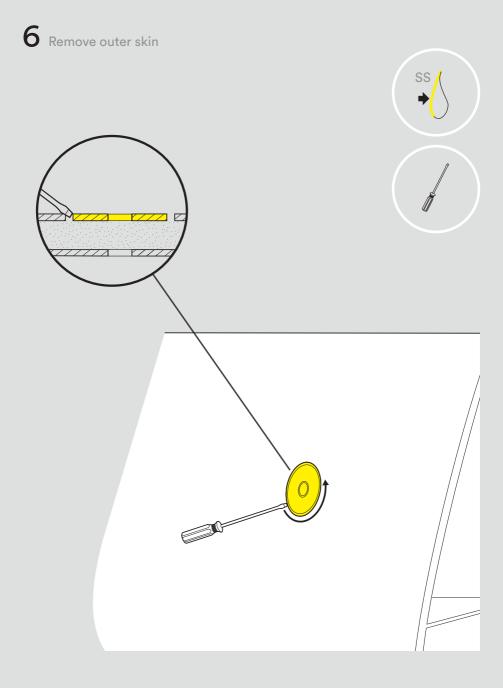


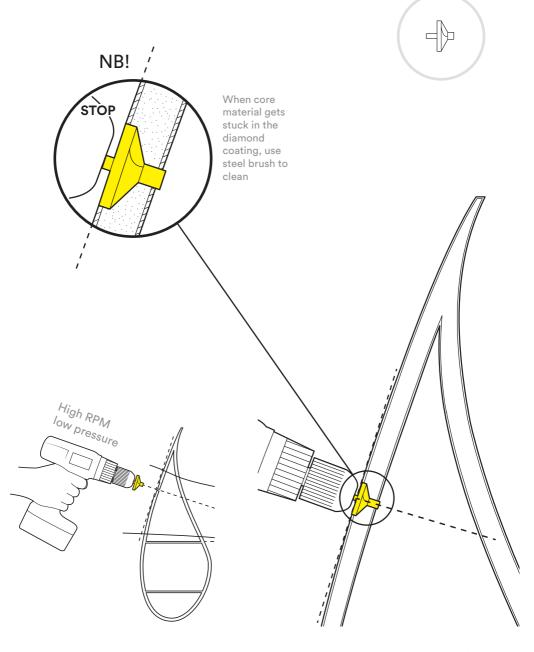
5 Enlarge center holes

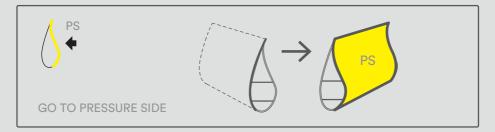
ø12





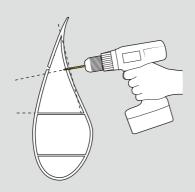






Repeat process on pressure side

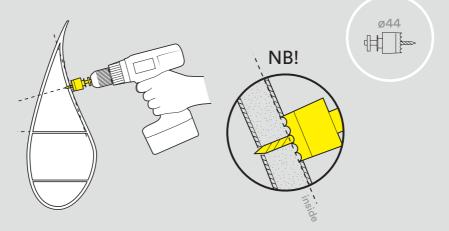
8 Pre-drill using ø5





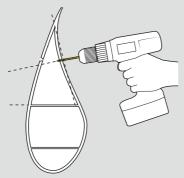


Drill using hole saw ø44



10 Enlarge center hole

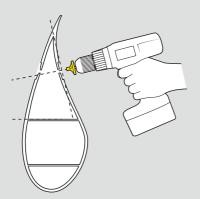
11 Remove outer skin

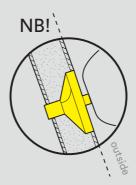






12 Countersink

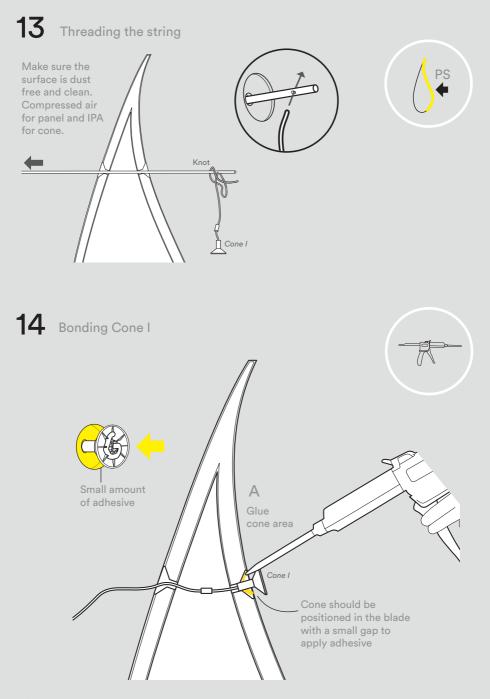




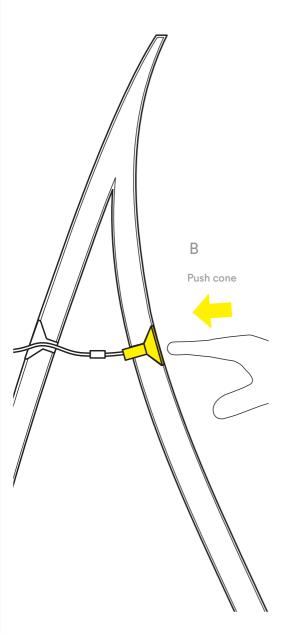
When core material gets stuck in the diamond coating, use steel brush to clean

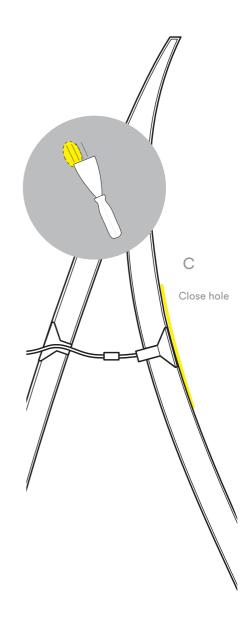
네누

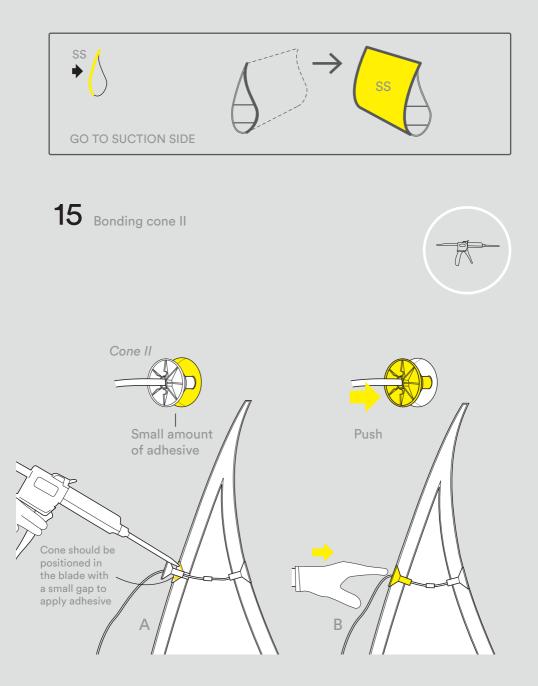
Stay on pressure side



(step 14 continued)

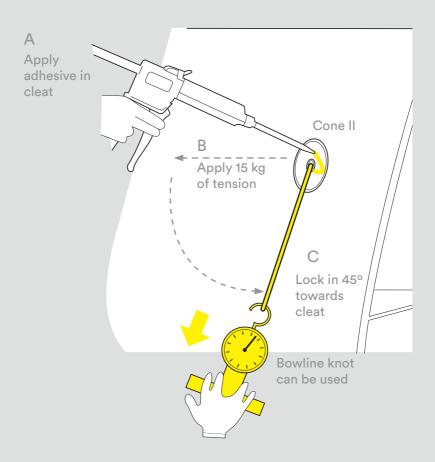


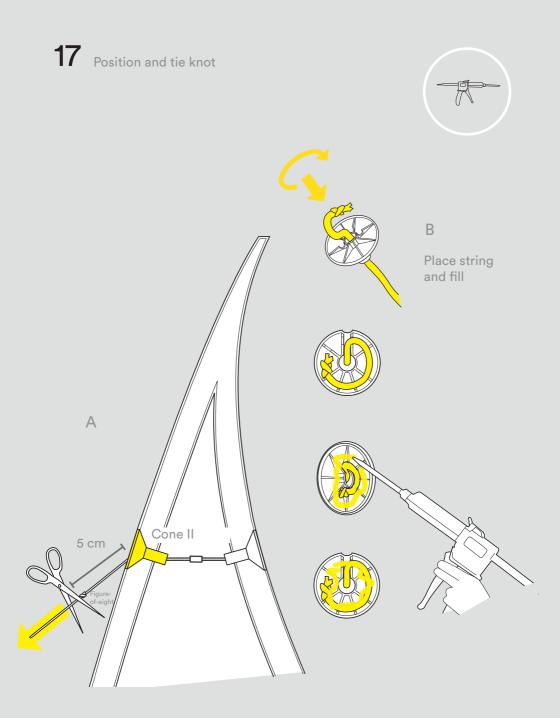




16 Adhesive in cleat & correct tension

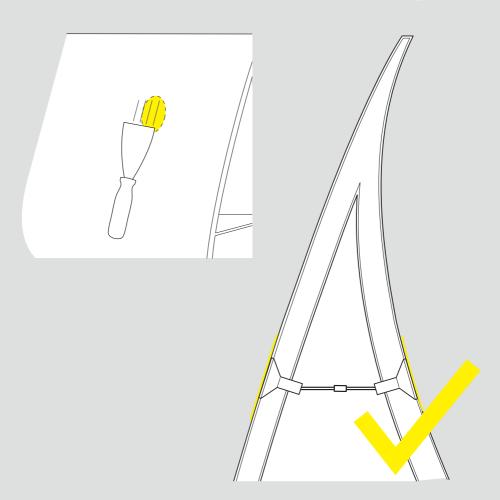




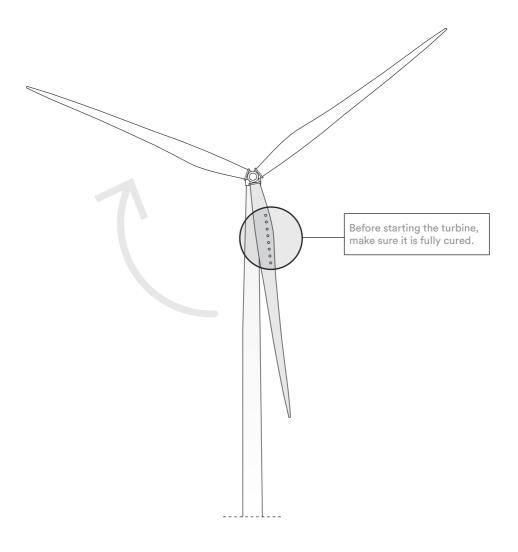


18 Close hole (SS)





19 Last step before moving on



Technical support

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For up tower installation use attached one-pager



Be aware

The access to the blade shell and general safety measures regarding working conditions with wind turbine generators are not covered in this document. It is a specific and specialised service that Bladena does not provide. Bladena rely solely on the skills, expertise and know-how of third party blade service teams, and would not in any case recommend technics or working condition that are outside of the accepted state of the art. The work that has to be undertaken is well understood by the technicians and deemed to be safe. Any operation that might compromise the safety of personnel or properties should not be undertaken. All access to the blade has to be done in accordance with the guidelines and instructions provided by the provider of this service.

Design by



"The D-String[®] does not affect the structural safety of trailing edge panels of a general rotor blade design"

Expert opion by DEWI OCC

The D-String[®] has a significant impact on the anticipated lifetime of your blades.

The D-String® decrease the LCoE thus increasing the profit margin.

Return on investment of 1 year for offshore turbines and 1,3 years for onshore turbines!

Want to talk more about your blades Simply contact Bladena



Contact Bladena sales@bladena.com bladena.com